

Input: Colorimetric Television Luminous System TL500a

with rgb_0 data of the four elementary hues

(1 0 0)₀ = Red R_0

(1 1 0)₀ = Yellow Y_0

(0 1 0)₀ = Green G_0

(0 0 1)₀ = Blue B_0



The rgb_0 data are calculated for output in standard offset according to ISO/IEC 15775

TL500a adapted (a) CIECAM data									
$L^* = L^*_{00}$	a^*_{00}	b^*_{00}	$C^*_{00,00}$	M^*_{00}	S^*_{00}	Z^*_{00}	W_{00}	R_{00}	G_{00}
39.5	76.92	64.55	100.02	49					
52.65	-20.69	90.75	93.08	103					
83.63	-82.75	79.9	115.84	136					
86.88	-46.16	-13.55	48.13	196					
30.39	76.06	-103.59	128.52	306					
57.3	94.35	-58.41	110.97	328					
0.01	0.0	0.0	0.0	0					
95.41	0.0	0.0	0.0	0					
29.92	58.74	27.99	65.87	25					
81.26	-2.88	71.56	71.62	92					
52.23	-82.41	13.6	44.55	162					
30.57	1.41	-85.46	45.49	272					

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 16

01 = Red R_0

05 = Yellow Y_0

09 = Green G_0

13 = Blue B_0

with hue position

(row and column)

of test chart ISO 5241-306:AE49



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